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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/824,493 | 04/15/2004 | Sun-Chung Chen | A-9030 | 6580 |

7590 04/15/2008
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| EXAMINER |
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PEYTON, TAMMARA R

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| ART UNIT | PAPER NUMBER |
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2182

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04/15/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/824,493

Applicant(s)

CHEN, SUN-CHUNG

Examiner

TAMMARA R. PEYTON

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/ICE)
Paper No(s)/Mail Date 10/25/07, 4/25/05, 8/15/07
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-21 rejected under 35 U.S.C. 102(b) as being anticipated by Pinkerton, II et al., (US 6,378,009), cited as prior art 8/15/07.

As per claim 1, 11, 12, 17, and 21, Pinkston teaches a keyboard video mouse (KVM) switch for a plurality of computers to share a plurality of manipulating devices with different connection agreements, the KVM switch comprising:

a plurality of first interfaces (Figs. 1 and 2, 120a-120n) connected to the manipulating device to receive a plurality of first electrical signals, where each of the electrical signals complies with the connection agreement of its source manipulating device and each of the first interfaces has a first converting device to convert (col. 3, lines 35-56) the first electrical signals I/O into a standard packet (network packet); a switch device (peripheral switch, 100/200, col. 3, lines 5-34) second converting device to convert (col. 3, lines 58- col.4, lines 1-62) the standard packet received by the switch device (peripheral switch, 100/200), which arranges the routing of the standard packet between the manipulating devices and the computers according to a path selection setting; and a plurality of second interfaces (user interfaces, Figs. 1 and 2) connected to the computers, where

each of the second interfaces has a second converting device to convert the standard packet received by the switch device (peripheral switch, 100/200) into a second electrical signal complying with the connection agreement of the connected computer. Pinkerton teaches establishing a communication path between a selected computer and a selected user station using at least one KVM switch port of the peripheral switch and at a remote terminal, a remote information signal having switch information for packaging the remote information signal in order to create a network packet Pinkerton specifically teaches transmitting the network packet to a switch service port of the peripheral switch via a network wherein the switch service port is associated with communication of said control information, status information, or data to the peripheral switch, 100/200.

As per claim 2, 13, Pinkston teaches wherein each of the electrical signals is selected from the group comprising a (col. 2, lines 50-65) keyboard signal and a mouse signal.

As per claims 3-6, 14-16, Pinkston teaches when the KVM switch allows a plurality of local and remote computers to share a plurality of local manipulating devices, further comprising: a packet encoding device, which generates according to the standard packet at least one network packet (col. 3, lines 5-col.4, lines 1-62) with a plurality of data sections correspondingly storing the standard packets of the first interfaces; a network device, which establishes communications with the network device

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of another KVM switch using a network protocol for transmitting/receiving the network packet to/from another KVM switch; and a packet decoding device, which decodes the network packet transmitted from another KVM switch to obtain at least one remote standard packet. (col. 5, lines 30-col. 6, lines 1-15)

As per claims 7-10, 19, and 20, Pinkerton teaches wherein the network device contains: a network interface chip (Fig. 10, 1030, col. 6, lines 1-12), and wherein the network device further contains a 2-way switch connected to the second port for selecting between an Ethernet (LAN, Fig. 2, col. 3, lines 20-33) and another KVM switch, and Pinkerton further teaches wherein the first interfaces contain a plurality of universal asynchronous receivers/transmitters (UART's), a half-duplex communication processor, and a CPU.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (571) 272-4157. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on (571) 272-6729. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-2100.

/Tammara R Peyton/

Primary Examiner, Art Unit 2182

April 11, 2008